



LUMiCHARGER LP1

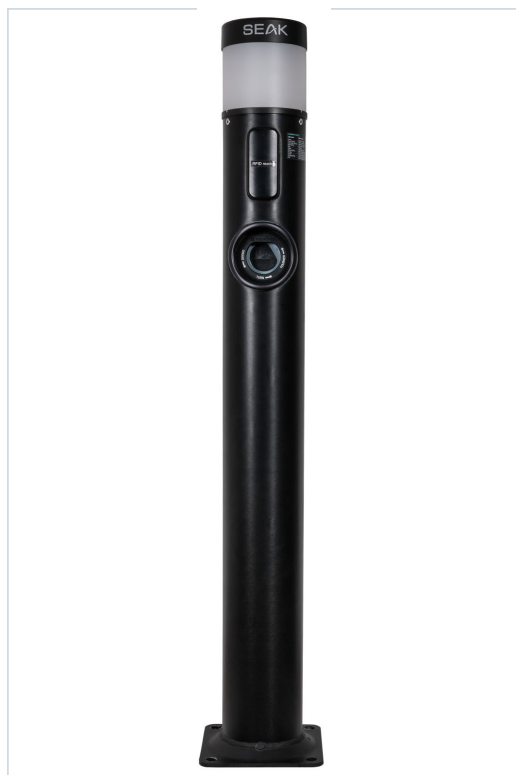
Ordering code: LMCHLP

LUMiCHARGER LP1 is EV charger sockets integrated into public lighting, which can work independently or communicate with Seak lighting control system to negotiate the power available for electric vehicle (EV) charging. During the day, street lighting remains in standby mode and we use full line capacity for EV charging. At night part of line capacity is used for lighting and the rest for cars. Further, the power saved by dimming of luminaires is used to increase the charging rate we can deliver to the EVs.

Features

- ✓ Compatible with SEAK SMART CITY lighting control
- ✓ EV charger sockets integrated into public lighting (Type 2, Mennekes)

Parameter	Value
Input voltage	AC 3x230 V
Line frequency	50 Hz
Maximum output current	3x32 A
Total maximum output power	22 kW
Own consumption	max. 11 W
Earthing diagram	TN-S, TN-C-S
Rated short-time withstand	< 10 kA effective value according to EN 61439-1
Residual Direct Current Detecting Device	$I_{\Delta n} = 30 \text{ mA}$
Protection class	I.
Protection type	IP65
Socket variant	Type 2 standard socket: 32A / 400V AC according to EN 62196-1 and VDE-AR-E 2623-2-2
Communication interface	2-way powerline QM-50-SSI3 (asynchro)



Parameter	Value
Charging access	RFID
Type RFID card	MIFARE card / tag according to ISO 14443(13.56MHz)
Socket lock	Yes
Operating ambient temperature	-25 °C ~ +50 °C
Safety	Contains protecting RCD device, which disconnects the charger from the car if the electrical connection fails (by exceeding rated leakage currents of AC/30mA , DC/6mA)
Warranty	24 months

Recommended components for control

Product	Ordering code
LUMiBOX SLM-140A	SLM140A
LUMiBOX SLM-160	SLM160
LUMiMASTER SLC-NOM	SLCNOM

